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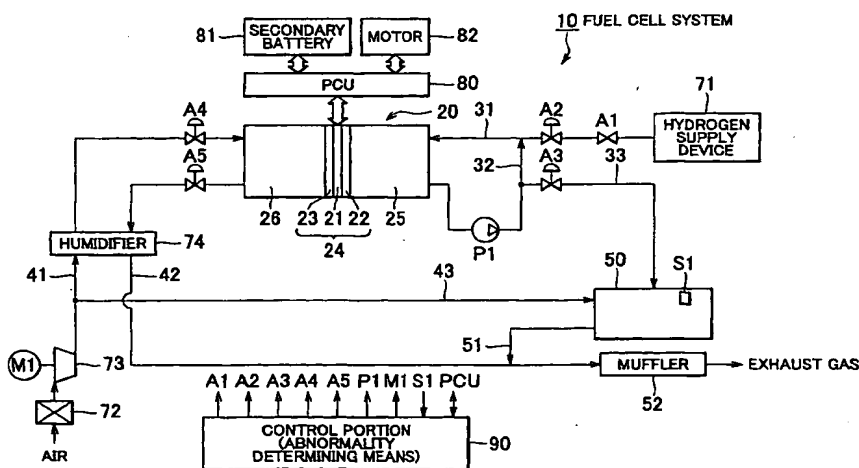
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(54) Title: ABNORMALITY DETECTING DEVICE OF FUEL CELL SYSTEM



(57) Abstract: An abnormality detecting device of a fuel cell system according to the invention includes a hydrogen off-gas circu-  
lation passage (32) for making hydrogen off-gas discharged from a fuel cell (20) flow back to an anode (22); a discharge passage  
(33) for discharging part of the hydrogen off-gas, which is circulated through the hydrogen off-gas circulation passage (32), from  
the hydrogen off-gas circulation passage (32); a hydrogen discharge valve (A3) provided in the discharge passage (33); abnormality  
determining means (90) for determining whether an abnormality has occurred in opening/closing of the hydrogen discharge valve  
(A3); and gas state quantity detecting means (S1) for detecting a gas state quantity of the hydrogen off-gas, the gas state quantity  
detecting means (S1) being provided in the discharge passage (33) at a position downstream from the hydrogen discharge valve  
(A3). The abnormality determining means (90) determines whether an abnormality has occurred in opening/closing of the hydrogen  
discharge valve (A3) based on the gas state quantity of the hydrogen off-gas.

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